

WELDED VINYL NEW CONSTRUCTION WINDOW SINGLE HUNG TILT

Product Series Number:	CVS-300	AAMA Rating:	R35
Applications:	Light Duty Commercial, Residential		
Frame Depth:	2-5/8"		
Glass Unit Thickness:	7/8"		
Size Meets Egress Code:	40" x 60" (Sash in); Special Builder Windows: 36" x 60" (Sash in)		
Dimension Limitation:	Minimum:	W=18" H=24"	
	Maximum:	W=44" H=60"	

Architecture Specifications

General: Manufactured by Crystal Window & Door Systems, Ltd., 31-10 White stone Expwy., Flushing, NY 11354.

Operation: Lower sash shall be counterbalanced to remain in place during operation. Bottom sashes shall tilt in for cleaning exterior glass surface. Top sash shall be fixed in the frame.

Materials: All vinyl extrusions shall be rigid 100% virgin PVC. Head, jambs and sash rails shall have a main wall thickness of 0.062". Head and jambs profile shall have six tubular hollows for strength and thermal efficiency. Sash profiles shall be tubular extruded. Sill shall be 0.075" thick on main wall and have four tubular hollows.

Frame construction: Frame shall have an integral pre-punched nailing fin along the perimeter. All corners shall be mitered and fusion welded. Frame depth shall be 2.625". Sill shall be sloped to aid water run-off.

Sash construction: All sash corners shall be mitered and fusion welded. There shall be integral interlock at the meeting rails. Bottom sash shall have a snap-in pull handle that will be the full length of sash. Window width over 40" shall have internal metal reinforcements at meeting rails. Movable keeper rail for dry wall transfer into building.

Glazing: Both sashes shall utilize 7/8" thick insulating glass consisting of two sheets of 3/32" thick clear annealed glass and a desiccant filled metal spacer system (intercept insulating unit). A butyl sealant shall be extruded around the entire perimeter of the spacer to achieve a seal. Top sash shall be interior glazed, and bottom sash

shall be exterior glazed. Both sashes shall be back bedded with silicone, and utilize snap-in glazing beads.

Screen construction: Standard screen shall be a half screen. The screen rails shall be rollformed of aluminum with all corners keyed. The screen mesh shall be held-in-place with a flexible spline.

Hardware: Sash balances shall be factory calibrated spiral balances. Balance rods shall be inserted into the slot of the shoe which locks in place once sash is tilted in. Sash lock shall be cam type and finished to match the vinyl extrusion color. Sash lock shall be fastened at the lock rail by two self-tapping color matched screws. Double locks standard on window widths over 24". Two vent locks shall be located on upper sash for opening the window partially.

Weatherstripping: High-density woven pile shall be used in combination with continuous polyethylene rigid seal to minimize air infiltration.

Finish: Shall be solid vinyl in off white.

Options: Grids – Colonial, Georgian and Diamond aluminum in-glass in white, bronze or two tone (green-white or bronze-white), are available. Glazing – Swiggle glass units, obscure wire, clear wire, frosted, Low-E, Argon filled Low-E, and special tempered glass can be used. Oriel window, field mulled or factory mulled units are available. Block and tackle with shoe shall be used to make a 36"x60" window meets egress code. A sill extension shall be clipped into sill in order to reach AAMA R35 rating.